

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:)
 Haas et al.)
MMB Docket No. **1867-0038**) Examiner: **To be assigned**
Application No. **To be assigned**) Group Art Unit: **To be assigned**
Filed: **Herewith**)
For: **Moisture Sensor With Capacitive Moisture Measuring Element**
 and Method of Determining Air Humidity


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22313-1450 on October 13, 2003

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Harold C. Moore

Name of person mailing Document or Fee

Signature 

October 13, 2003

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, Applicants hereby disclose the following references,
copies of which are enclosed, regarding the above-identified patent application.

U.S. Patent No.
5,844,138

Issue Date
December 1, 1998

Inventor
Cota

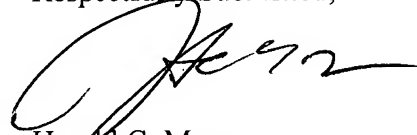
Articles

1. Chen, Zhi, Mao-Chang Jin and Chao Zhen, "Humidity Sensors With Reactively Evaporated Al_2O_3 Films as Porous Dielectrics," Sensors and Actuators B Chemical, August 1990, (5 pages).
2. Li, G. Q., P. T. Lai, M. Q. Huang, S. H. Zeng, B. Li and Y. C. Cheng, "A Humidity-Sensing Model for Metal-Insulator-Semiconductor Capacitors with Porous Ceramic Film," Journal of Applied Physics, June 15, 2000, (5 pages).
3. Denton, Denice D., Maha A. S. Jaafar, Andrew R. K. Ralston, Choon Ngiap Ho, and I Li Sen-gang, "The Long Term Reliability of a Switched-Capacitor Relative Humidity Sensor System," University of Wisconsin-Madison, (4 pages).
4. Dokmeci, Mehmet and Khalil Najafi, "A High-Sensitivity Polyimide Capacitive Relative Humidity Sensor for Monitoring Anodically Bonded Hermetic Micropackages," Journal of Microelectromechanical Systems, Vol. 10, No. 2, June 2001, (8 pages).
5. Visscher, G. J. W. and J. G. Kornet, "Long-Term Tests of Capacitive Humidity Sensors," Measurement Science & Technology, October 1994, (9 pages).
6. Anchisini R., G. Faglia, M. C. Gallazzi, G. Sberveglieri, and G. Zerbi, "Polyphosphazene Membrane as a Very Sensitive Resistive and Capacitive Humidity Sensor," Sensors and Actuators B Chemical, 1996, (4 pages).

It is believed that no fees are due for the consideration of this Information Disclosure Statement. However, the Commissioner is hereby authorized to charge any deficiency or to credit any overpayment to Deposit Account No. 13-0014, but not to include any payment of issue fees.

October 13, 2003
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Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'H. C. Moore', written over the printed name.

Harold C. Moore
Attorney for Applicants
Registration No. 37,892

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	MMB DOCKET NO. 1867-0038 Siemens Docket No. 2002P17240US	APPLICATION NO.: To be assigned
	APPLICANT(S): Haas et al.	
	FILING DATE: Herewith	GROUP ART UNIT: To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	5,844,138	12/01/1998	Cota			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AQ	1	Chen, Zhi, Mao-Chang Jin and Chao Zhen, "Humidity Sensors With Reactively Evaporated Al ₂ O ₃ Films as Porous Dielectrics," Sensors and Actuators B Chemical, August 1990, (5 pages).
	AR	1	Li, G. Q., P. T. Lai, M. Q. Huang, S. H. Zeng, B. Li and Y. C. Cheng, "A Humidity-Sensing Model for Metal-Insulator-Semiconductor Capacitors with Porous Ceramic Film," Journal of Applied Physics, June 15, 2000, (5 pages).
	AS	1	Denton, Denise D., Maha A. S. Jaafar, Andrew R. K. Ralston, Choon Ngiap Ho, and I Li Sen-gang, "The Long Term Reliability of a Switched-Capacitor Relative Humidity Sensor System," University of Wisconsin-Madison, (4 pages).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicants.

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	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	BL						Yes No
	BM						Yes No
	BN						Yes No
	BO						Yes No
	BP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	BQ	<u>2</u>	Dokmeci, Mehmet and Khalil Najafi, "A High-Sensitivity Polyimide Capacitive Relative Humidity Sensor for Monitoring Anodically Bonded Hermetic Micropackages," Journal of Microelectromechanical Systems, Vol. 10, No. 2, June 2001, (8 pages).
	BR	<u>2</u>	Visscher, G. J. W. and J. G. Kornet, "Long-Term Tests of Capacitive Humidity Sensors," Measurement Science & Technology, October 1994, (9 pages).
	BS	<u>2</u>	Anchisini R., G. Faglia, M. C. Gallazzi, G. Sberveglieri, and G. Zerbi, "Polyphosphazene Membrane as a Very Sensitive Resistive and Capacitive Humidity Sensor," Sensors and Actuators B Chemical, 1996 (4 pages).

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